

UTAH DEPARTMENT OF PUBLIC SAFETY



DIVISION OF EMERGENCY MANAGEMENT



2017 ANNUAL REPORT



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DIRECTOR'S MESSAGE

Disasters happen.

2017 showed Utah again what can happen when Mother Nature's forces combine against our relatively peaceful lives.

In February, Box Elder and Cache counties were the focus of flooding's menace. Sheet flooding caused water to pour into basements and wash out roads. In these moments of distress, we owe our gratitude to first responders, local emergency managers, neighbors and volunteers for their tireless efforts.

In April, the President declared a major disaster for the affected counties and we'll spend the next few years working with county officials and assisting them in the road to recovery.

The flooding was devastating to the affected homeowners with basements full of water destroyed furnaces and eventual piles of irreplaceable heirlooms and mementos. We have an opportunity now to encourage Utahns to consider how a specific insurance policy for flooding could fit into their budgets. Flood damage recovery is not included in a traditional homeowners policy. Flood insurance could help with big-ticket items, such as furnaces and water heaters.

In 2017, we also watched from afar as three powerful hurricanes -- Harvey, Irma and Maria -- struck the United States. Utah sent responders to all three hurricanes to assist with disaster recovery and we stand ready to help again in the future.

California's wildfires in October and December also gave Utah firefighters a chance to serve through the Emergency Management Assistance Compact (EMAC). Fire agencies selflessly responded to the call for help with 22 departments sending personnel in October and 29 in December.

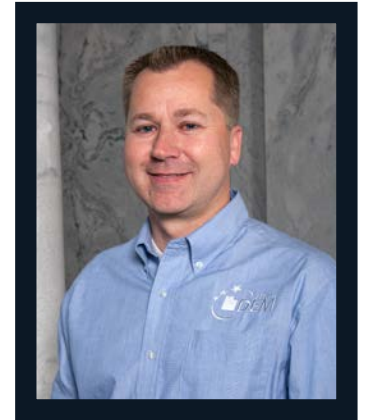
Is Utah ready to shoulder a burden like the devastation from a major disaster earthquake? We are taking steps. We are making progress. We see our time now as a time to prepare.

We look forward to future conversations with partners in the Legislative and Executive branches on this topic and encourage these same conversations at the local level. Funding is certainly part of the equation, but we also expect to discover ways to use Utah talents and creativity to solve our future disaster problems.

Thank you for all that you do, and best wishes in 2018.



Kris J. Hamlet
Director, DEM



Executive Leadership

Governor Gary R. Herbert

Lieutenant Governor Spencer J. Cox

Department of Public Safety Commissioner Keith D. Squires

Department of Public Safety Deputy Commissioner Nannette Rolfe



Administration

Kris Hamlet, Director

Judy Watanabe, Deputy Director

Jona Whitesides, Preparedness Bureau Chief

Bob Carey, Response and Recovery Bureau Chief

Joe Dougherty, Public Information Officer

Amisha Lester, Special Projects Coordinator

Susan Thomas, Strategic Planner

Finance Section

Matt Ferguson, Section Manager

Denise Spillman, Financial Analyst

Anna Boynton, Financial Analyst

Tanner Patterson, Financial Analyst

Judy Ainsworth, Front Desk Support

Hillary Goldsmith, Intern

Operations Section

Sheila Curtis, Section Manager

John Crofts, Planner

Angela Lang, Planner

Josh Groeneveld, GIS Planner

Cindy Cheng, GIS Intern

Bob Craven, Communications Support

Juan Villanueva, Communications Support

Logistics Section

Dave Popelmayer, Section Manager

Rey Thompson, IM/Trainer

Lorry Herrera, Planner

Patrice Thomas, Planner

Kurt Tracy, WebEOC

Be Ready Utah Section

Wade Mathews, Section Manager

Maralin Hoff, Trainer

Jeff Johnson, Be Ready Schools Coordinator

James Ray, Citizen Corps Coordinator

Ken Kraudy, Community Outreach

Bryan Stinson, Community Outreach

Utah Public-Private Partnership (UP3) Section

Matt Beaudry, Section Manager

Logan Sisam, Be Ready Business Program Manager

Kathy McMullin, Research Analyst

Ralph Ley, DHS PSA

Braden Norris, Intern

Mitigation & Recovery Section

Brad Bartholomew, Section Manager

Jake Unguren, Deputy State Hazard Mitigation/Recovery Officer

Eric Martineau, Mitigation Planner

Janna Wilkinson-Mayo, Mitigation Planner

Kathy Holder, State Floodplain Coordinator

Brandon Webb, Intern

Jamie Huff, Risk MAP Coordinator

Training & Exercise Section

Kris Repp, Section Manager

Ted Woolley, State Training Officer

Tracy Bodily, Exercise Training Officer

Don Cobb, Exercise Officer

Karen Madsen, Planner

Alden Orme, Trainer

Community Support Section

Kim Hammer, Section Manager

Kimberly Giles, Northern Region 1

Tara Behunin, Wasatch Front Region 2

Jeff Gallacher, Central Utah Region 3

Scott Alvord, Southwest Utah Region 4

Mechelle Miller, Northeast Region 5

Angelia Crowther, Castle Country & Four Corners Regions 6 & 7



Utah is one of 35 EMAP accredited states.
EMAP provides credible standards on which
a program can build a strong foundation.
Utah became accredited in 2007 and gained
re-accreditation in 2012 and 2017.

UTAH DEPARTMENT
OF PUBLIC SAFETY

DIVISION OF EMERGENCY MANAGEMENT

Our Vision

To achieve a self-sustaining culture
of emergency preparedness
for all individuals and
communities in Utah.

Our Mission

To unite the emergency management
community and to coordinate efforts
necessary to mitigate, prepare for,
respond to and recover from
emergencies, disasters and
catastrophic events.

**Utah Division of
Emergency Management
2017 Theme**

**ONE TEAM
ONE GOAL
ONE DEM**

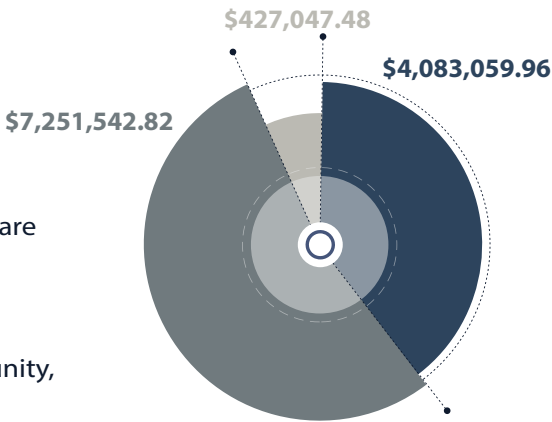


DEM FINANCIAL

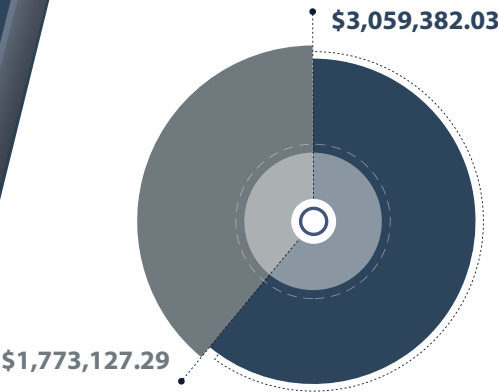
Total Federal Dollars Spent

How do federal dollars benefit Utah?

- ~ Ensures Utah taxpayer dollars come back to the state and are spent on Utah needs
- ~ Augments first responder capabilities at the local level through planning, training, and equipment
- ~ Increases Utah's preparedness at the government, community, individual/family, and business level



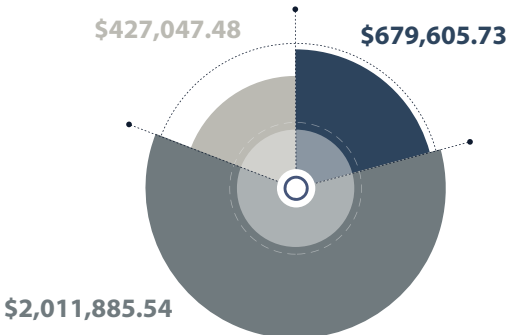
Emergency Management Performance Grant (EMPG)



The purpose of EMPG is to provide Federal funds to states to assist state, local, territorial, and tribal governments in preparing for all hazards. Through the EMPG program we provide approximately \$1.7 million in funding to support the Emergency Management programs of 29 Counties, 28 Cities, and 4 Institutions of Higher Education. Examples of functions EMPG helps support include, but are not limited to, conducting risk assessments, assessing capabilities, identifying preparedness needs, and updating emergency plans; building or augmenting core capabilities; designing and conducting exercises that engage the whole community of stakeholders to validate core capabilities; conducting emergency management training; and providing funding support for emergency management personnel.

State Homeland Security Program Grant (SHSP)

The purpose of SHSP is to support state and local efforts to prevent terrorism and other catastrophic events and to prepare the Nation for threats and hazards that pose the greatest risk to the security of the United States. Through SHSP we provide approximately \$3.8 Million to the 7 regions throughout Utah who divide the money among the 29 counties and numerous cities as well as fire districts, Utah Search and Rescue, and Bomb Squads.



Funds from the State Disaster Recovery Restricted Account (53-2a-603) reimbursed to State Agencies and Agents of the State

~Carbon County Flooding Clean Up and Debris Removal – January 2017 (\$79,163.50)

~Box Elder and Cache County Winter Flooding – February 2017 (\$27,132.41)

~Town of Torrey Water Shortage – June 2017 (\$9,330.00)

~Uintah City (Fire Department October Deployment to California) - (\$30,106.13)

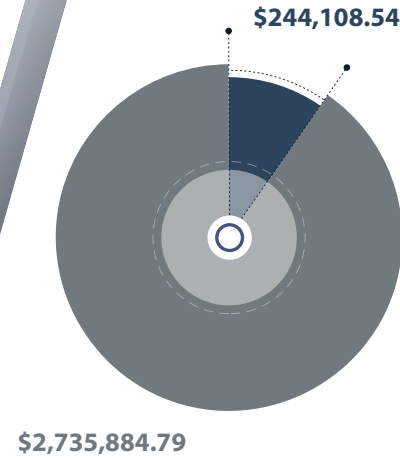
~Salt Lake City (Fire Department October Deployment to California) - (\$173,841.10)

~Uintah City (Fire Department December Deployment to California) - (\$57,214.60)

Funding from the Legislature benefits Utah's preparedness, response, and recovery efforts by:

~ \$1.3 Million to fund salaries, daily operations, and matching obligations of federal dollars

Mitigation Grants



Mitigation

In 2017, Utah was awarded \$3,928,346 in FEMA mitigation funding. This funding will go towards four mitigation planning updates and four mitigation projects. Three mitigation plans were updated and approved by FEMA. Four Hazard Mitigation Grant Program (HMGP) grants were closed, DR-1955, DR-4011, DR-4053, and DR-4088.

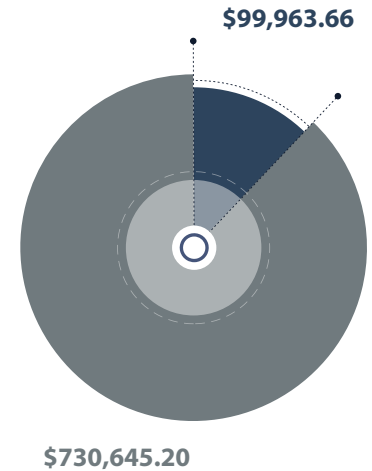
Recovery

The Recovery personnel spent a significant amount 2017 working on the Winter Flooding Disaster (DR-4311) that affected Box Elder and Cache Counties. Significant progress in closing older disasters was made in 2017.

Cooperating Technical Partners Funds

The Cooperating Technical Partner (CTP) program provides federal assistance through a cooperative agreement between FEMA and an eligible Cooperating Technical Partners (CTP) to perform various projects and activities that stimulate and support the ability of NFIP State Coordinating Agencies. This allows NFIP participating communities to continue their ongoing regulatory NFIP responsibilities as well as support the ability of States, communities and the public and private sector to mitigate flood risk.

CTPs assist in the development and maintenance of flood risk data and Flood Insurance Rate Maps (FIRMs) and other risk related products, and further advance the goals and objectives of Risk MAP and the NFIP program.



Capabilities and resources enhanced this year through preparedness grants:

~ Sustainment of the Utah Bomb Squad Task Force, which allows seven FBI-approved teams to plan, train, and maintain uniformity across the state

~ Sustainment of the State Urban Search and Rescue committee to coordinate uniform training, response, and recovery within the state

■ Funds to DEM Programs
■ Funds to Local Programs
■ Funds to Other State Agencies

ACTIVATIONS

Northern Utah Flooding
Torrey Water Emergency
Salt Lake City Severe Storm
Brian Head Fire
Uintah Fire
Algae Blooms
Hurricane Harvey
Hurricane Irma



245

**ACTIVE
PARTICIPANTS**

EMERGENCY MANAGEMENT ASSISTANCE COMPACT (EMAC) DEPLOYMENTS

Florida
Texas
California



2017 CORE COMPETENCIES

- Mastering DEM's Incident Management System
- Missions and Tasks
- Resource Allocation & Purchasing
- Information Sharing

The SERT met monthly to sharpen its skills and build partnerships. In 2017, the SERT worked through disaster scenarios and participated in various mission activities, including coordinating the emergency support functions within the EOC with over 30 hours of training.

Salt Lake City Severe Storm July 26, 2017

- Conducted a Preliminary Damage Assessment with Salt Lake County after localized flooding in July. The majority of the damage was covered by insurance and the remaining balance did not meet the State or County thresholds.
- Conducted a Small Business Administration (SBA) damage assessment on homes and businesses affected by the flooding in Salt Lake County. This flooding incident didn't meet the SBA threshold.
- Participated with Salt Lake County and the Salt Lake City (Multi Agency Resource Center (MARC) for the flooding.



2017 DISASTERS

DR-4311 - Severe Winter Storms & Flooding Incident Period Feb 7 to Feb 27, 2017

- Declared April 21, 2017
- FEMA/State/Local Joint Field Office Open May-August
- Over \$5 Million in FEMA Eligible damage



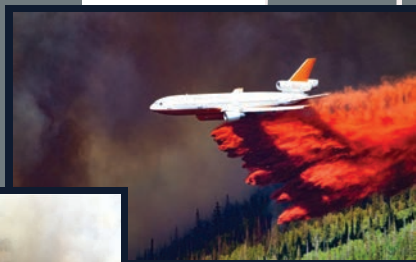
Uintah Fire - FMAG September 2, 2017

- Fire Management Assistance Grant
- \$666,357.66
- 619 Acres



Brian Head - FMAG June 17 to July 15, 2017

- Fire Management Assistance Grant
- \$28,810,292.72
- 71,673 Acres



PREPAREDNESS BUREAU HIGHLIGHTS

Training & Exercise Section

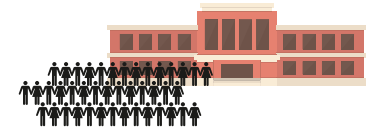
- FEMA Basic Academy Instruction held in Utah with Foundations of Emergency Management being offered twice in 2017
- State of Idaho conducted multi-state earthquake exercise involving DEM and Public Health cross-border support from Utah.
- Pre-exercise workshops related to homelessness, access and functional needs transitional sheltering and bulk distribution opened new collaborative partnerships, and cooperation among mass care partners.
- Hosted and conducted National Mass Care Exercise with 11 states and 7 FEMA regions over 3 days.
- Began development of protocols through training and exercise for new partnership with 2-1-1 as EOC call center.
- Conducted Improvement Planning Workshops for 7 regions and two TEPWs.
- Introduced new EOC and SERT Training and Exercise Program.



Utah's Largest
Shakeout
with
1,012,117
Registered

DEM Conferences:

- Public Safety Summit - 555 participants
- PIO Conference - 108 participants
- ARES/RACES Conf. - 113 participants
- USEMCs - 126 participants
- UFSMA - 142 participants
- LEPC - 110 participants



DEM Trainings:

97 Courses
1705 Participants

Community Support Section

Traveled **88,890** miles from each end of the state to attend meetings, trainings, exercises, and incidents

Attended **746** related Emergency Management Meetings, trainings, and exercises statewide

Attended **134** LEPC Meetings

Liaisons responded and assisted on the following incidents:

- Brian Head
- Torrey Water Shortage
- DR4311 - Cache and Box Elder Counties

Utah Public-Private Partnerships (UP3) Section

Infrastructure accomplishments

- The Infrastructure Resilience Program (IRP) has engaged five of our 29 counties in the work of scoring and prioritizing thousands of critical nodes of infrastructure in dozens of communities so far. This assists emergency managers and first responders to prioritize where to go first for damage assessments, road clearance & debris management, mitigation planning, capabilities planning, etc.
- The Community Awareness Program (CAP) aka "8 Signs of Terrorism" was presented to over 600 Utahns this year
- 25 Private Sector Preparedness Councils was attended by 552 persons

Be Ready Business accomplishments

- 50% increase of Private Sector Preparedness Council groups (PSPC)
- 44% Increase in the annual overall PSPC forum participation
- Be Ready Business presented business continuity planning training to 3,162 persons representing 81 businesses



Be Ready Utah Section

Be Ready Utah

BRU Presentations at 72 events with 4,919 people

BRU Booths at 71 events with 17,785 people

BRU Materials provided at 64 events with 14,165 people

Total BRU events: 207 with 36,869 people

Utah Prepare Conference and Expo - nearly 2000 participants

Assisted with Department of Public Safety's Safety Fair for 900 people

Conducted Emergency Fair for Capitol Hill Employees with 300 people

Participated in America's PrepareAthon and National Preparedness Month



Be Ready Schools

BRS Outreach at 8 events with 3,700 people

BRS Assemblies with American Red Cross: 36 with 1,373 students

Total BRS events: 44 with 5,073 people

Citizen Corps

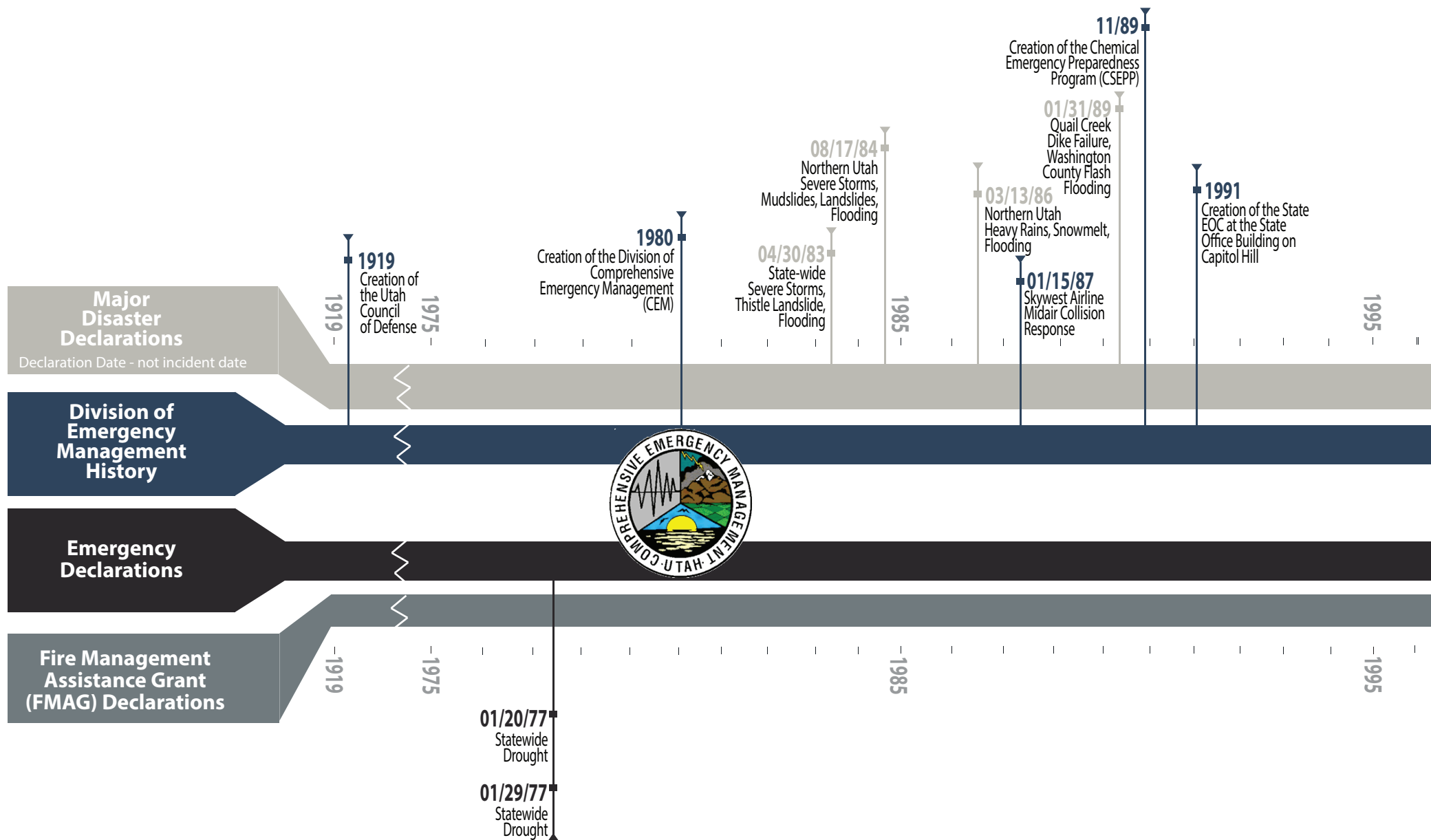
CC Presentations at 5 events with 83 people

CC Booths at 7 events with 487 people

CC Materials provided at 2 events with 300 people

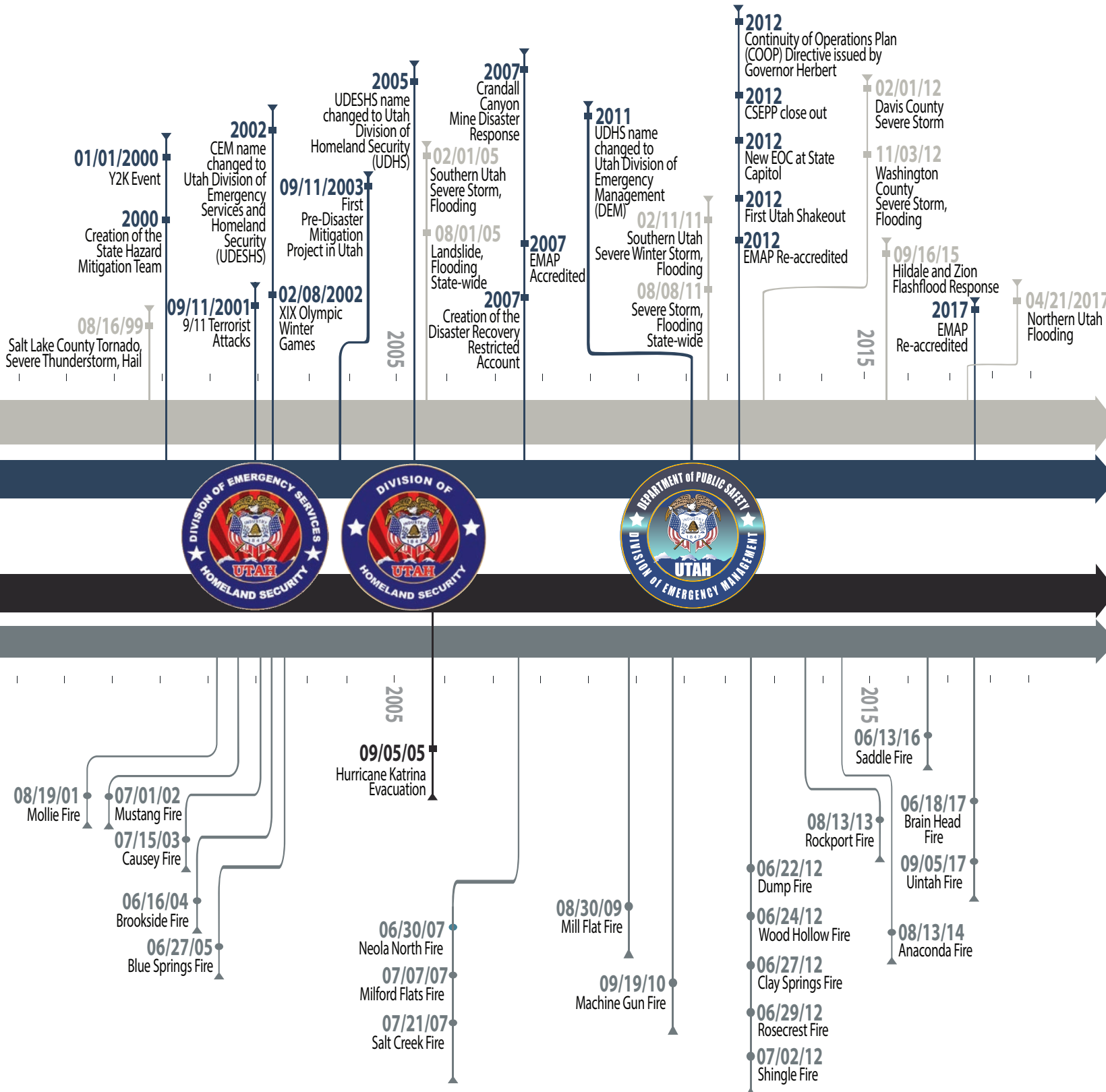
Conducted 2 Capitol Hill Community Emergency Response Team courses with 30 people;

70 state employees now trained



Utah Disaster History and DEM throughout the Years

A Timeline



1984 Flooding in Salt Lake City



1999 Tornado in Salt Lake City



2005 Flooding in Southern Utah



2017 Brain Head Fire in Dixie NF

RESPONSE & RECOVERY BUREAU HIGHLIGHTS

Operations Section

EOC

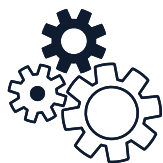
- Coordinated State efforts for Northern Utah Severe Winter Storms & Flooding, Salt Lake City Severe Storm, Brain Head & Uintah Fires
- Visitors from North Davis Fire, U of U Geography class, Turkmenistan, Ukraine, Japanese Consulate, Serbia, and Morocco
- 32 Weekly Briefings and 76 Situation Reports were distributed throughout the year

GIS

- 402 maps created for incidents, exercises, special projects and web-based maps
- Participated in Maps on the Hill during the legislative session in January 2017



Logistics Section



Mobile Command Vehicle

- The Mobile Command Vehicle was dispatched to support DPS and local law enforcement in Operation Rio Grande for four months and to Sand Mountain to assist DPS and Juab County during Spring Break.

Incident Management System

- Implemented the new Resource Inventory/Tracker
- Recorded training videos and added training materials to our incident management training library
- Implemented fusion between the State of Utah and Salt Lake Valley installations of the DEM incident management system for situational awareness

EMAC

- Hosted FEMA Region VIII EMAC A-Team training in March 2017
- Deployed resources from the State of Utah to assist with California wildfires and to hurricane responses in Texas and Florida
- Coordinated the deployment of resources for the water shortage in Torrey and the flood response in Box Elder and Cache counties

Planning

- The Counter Terrorism Plan was produced using a multiple agency working group including Federal, State, and local agencies
- DEM helped approximately 100 state agencies exercise and update their COOP plans

Public Information



79 Interviews

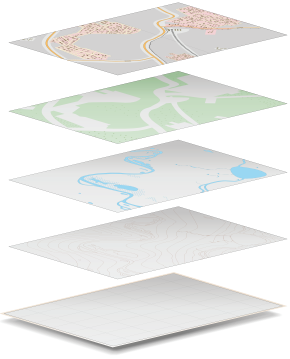
23 Outlets

9 Staff members quoted

Mitigation & Recovery Section

Risk MAP

Risk MAP (Mapping, Assessment, and Planning) develops flood hazard data and maps for communities that have never had identified risks as well as building on effective flood hazard data and flood insurance rate maps. In Utah, only 7.8% of flood risk is mapped on a Flood Insurance Rate Map (FIRM).



Project stats

- Risk MAP funded 1,606.9 square miles of LiDAR (topography data) acquisition in Cache and Washington Counties
- Risk MAP was awarded \$2,129,441.00 in CTP project grant in 2017. Also assisted in the award of FEMA HQ funded LiDAR acquisition for 4341.9 square miles of LiDAR for Wasatch, Duchesne, and Uintah Counties totaling approximately \$1.1 million
- Alluvial Fan Inventory completed for Wasatch Range from Idaho Border to Nephi; West Oquirrh's Point of the Mountain to southeast of Rush Valley
- Morgan County new FIRMs became effective December 2017

NFIP

Utah Floodplain Program has continued to work hard to train our communities, Floodplain Administrators' and Emergency Managers about the National Flood Insurance Program (NFIP). We have used the Community Assisted Visits (CAV's), which are floodplain regulatory audits, Community Assisted Contacts (CAC's), which vary in nature to help communities regulate their floodplain ordinance, and General Technical Assistance (GTA's), which give advice on floodplain and NFIP matters to individuals to help advise on NFIP matters.

20

Total
CAV's

651

Total
GTA's

4

Newsletters

34

Total
CAC's

16

NFIP
Trainings

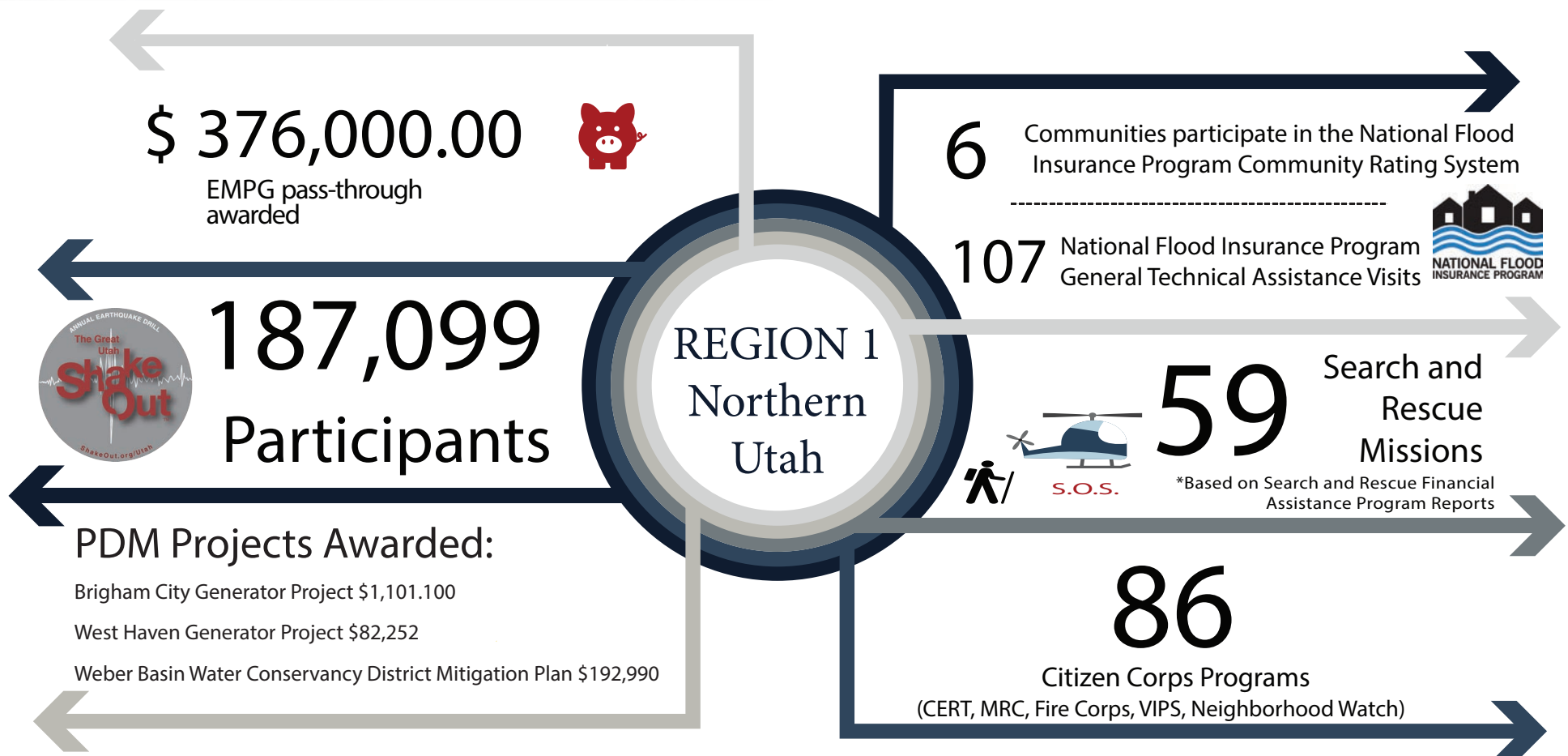
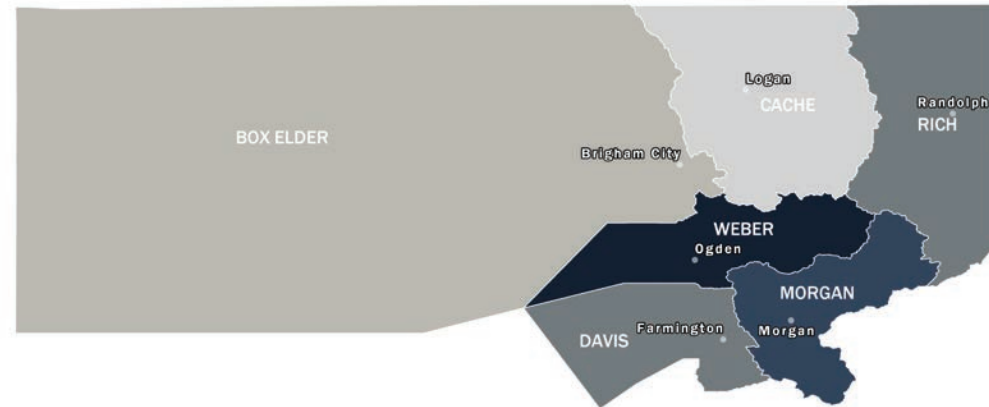


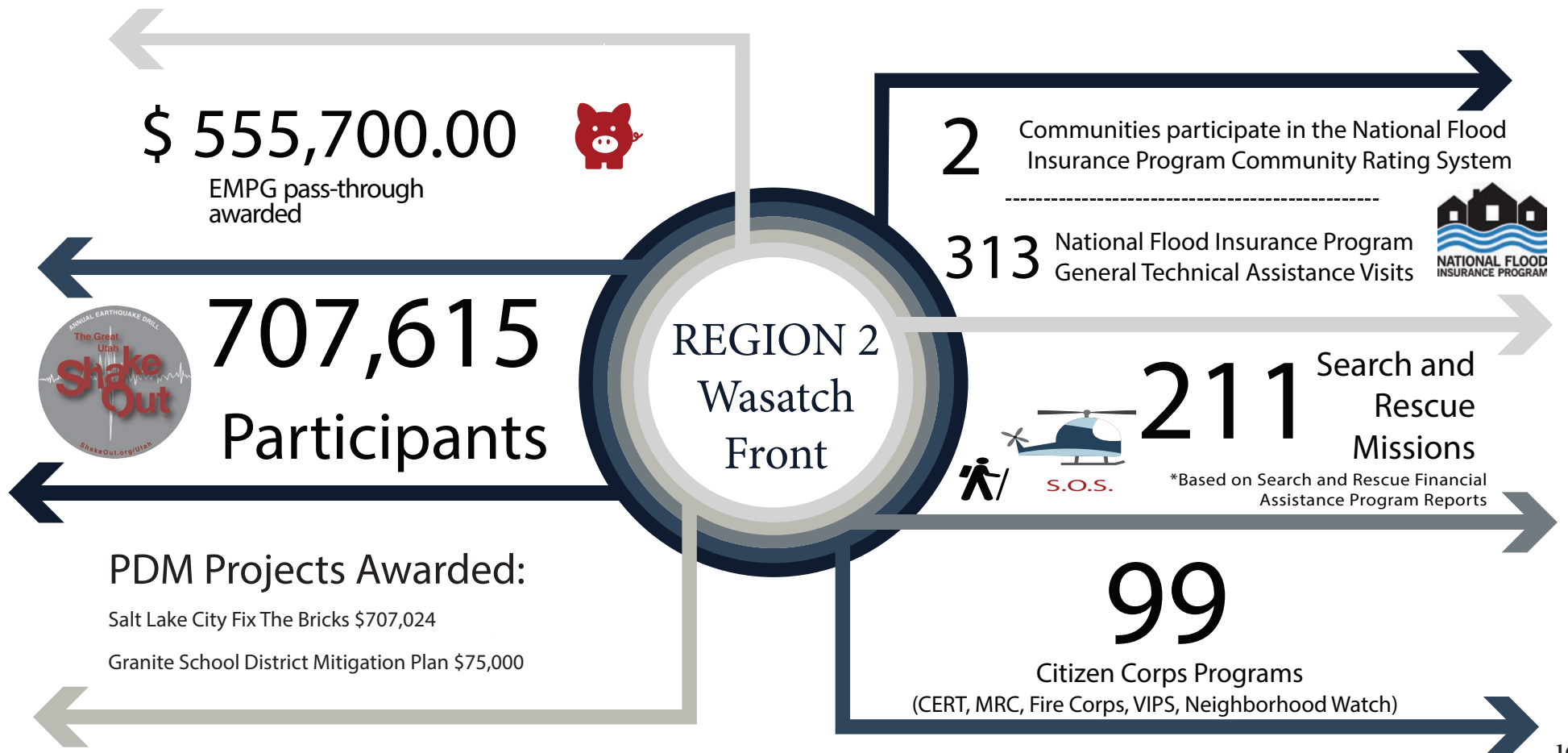
Mitigation

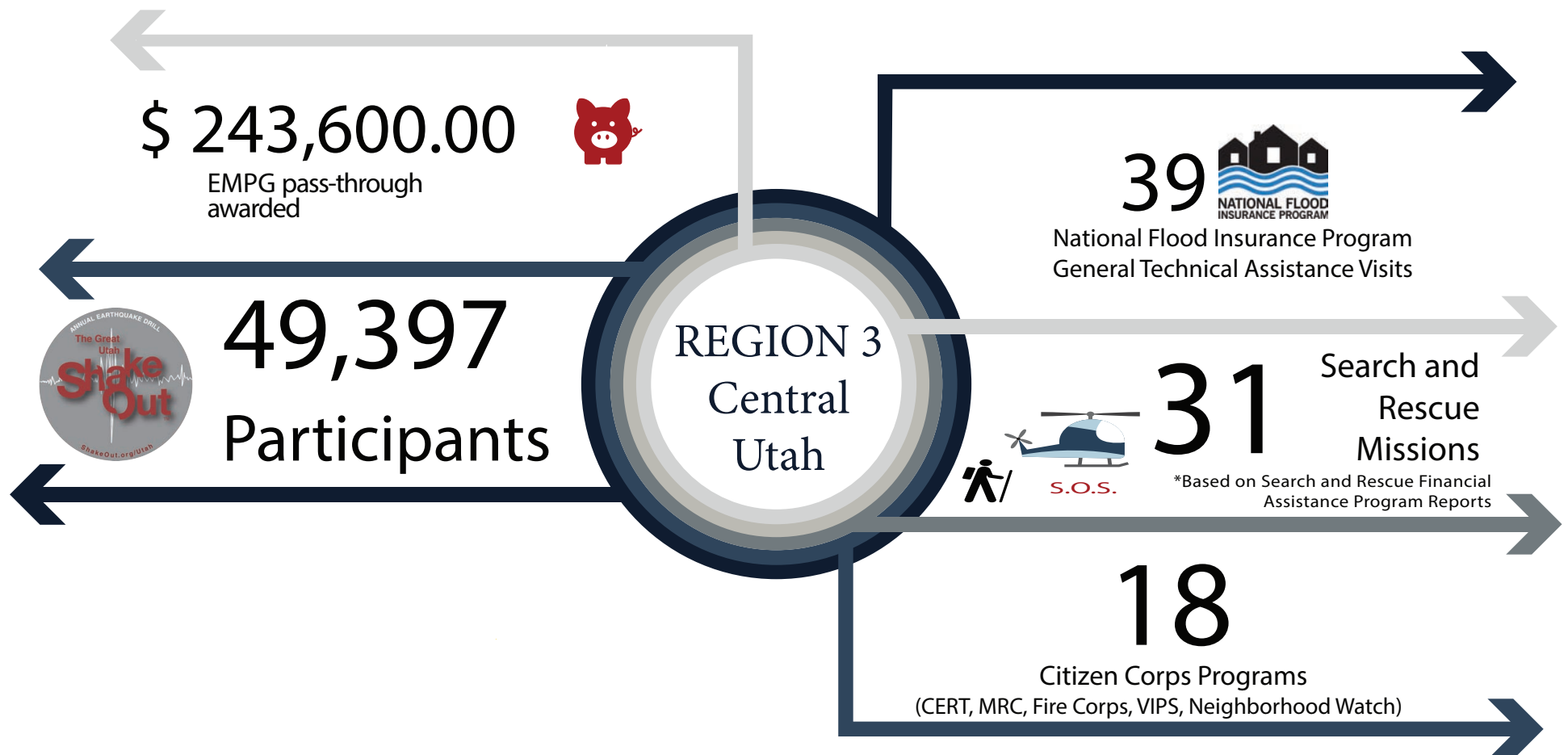
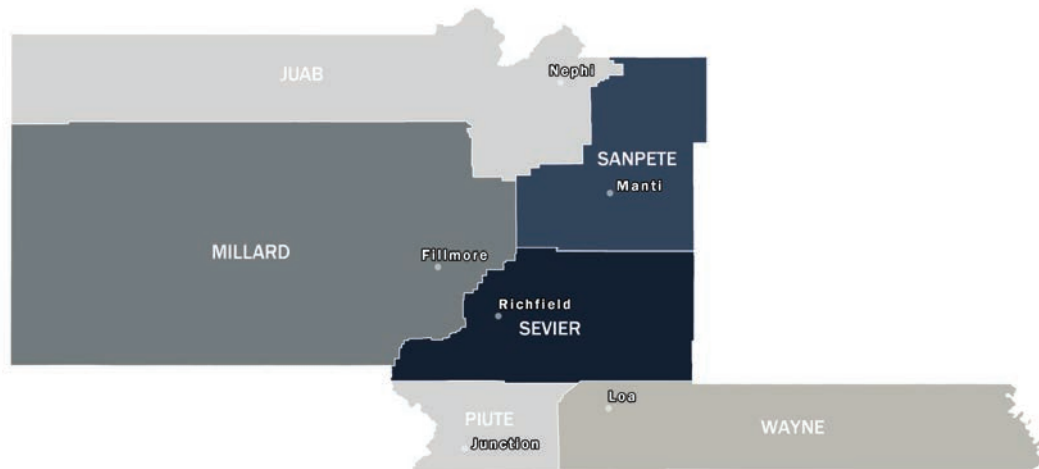
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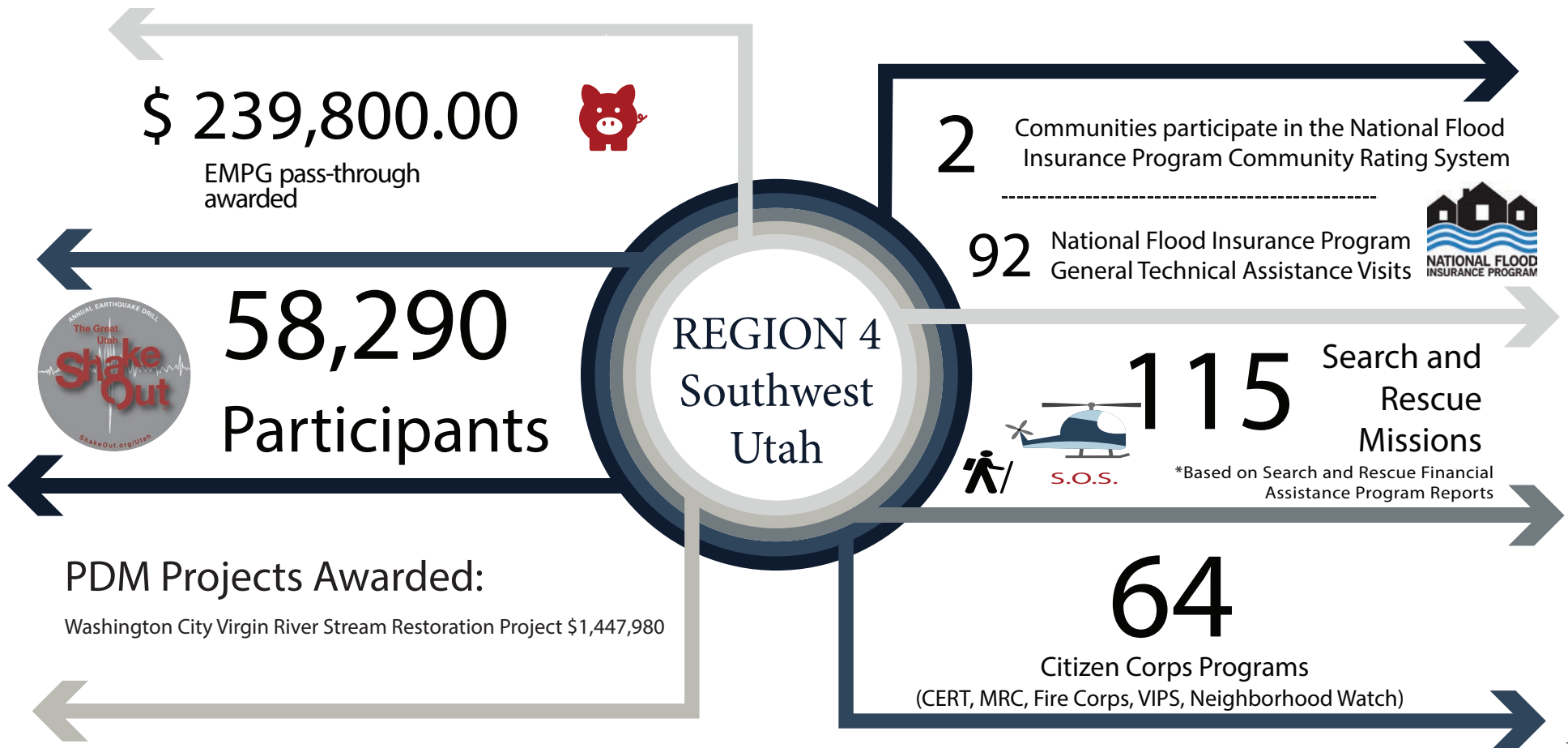
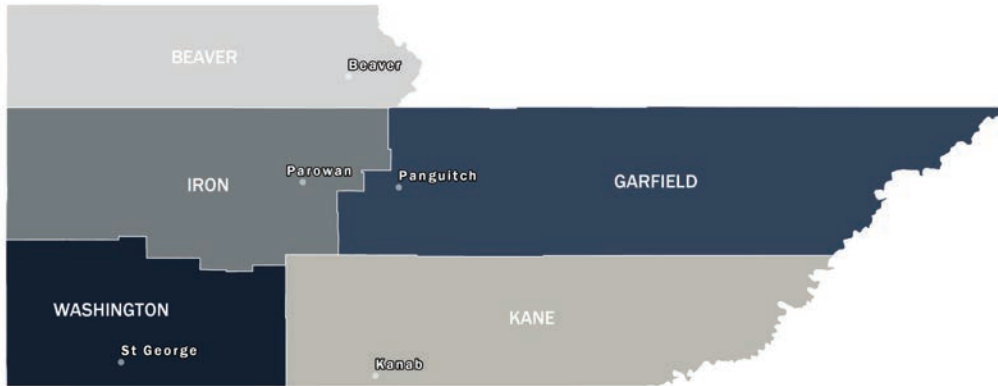
Recovery

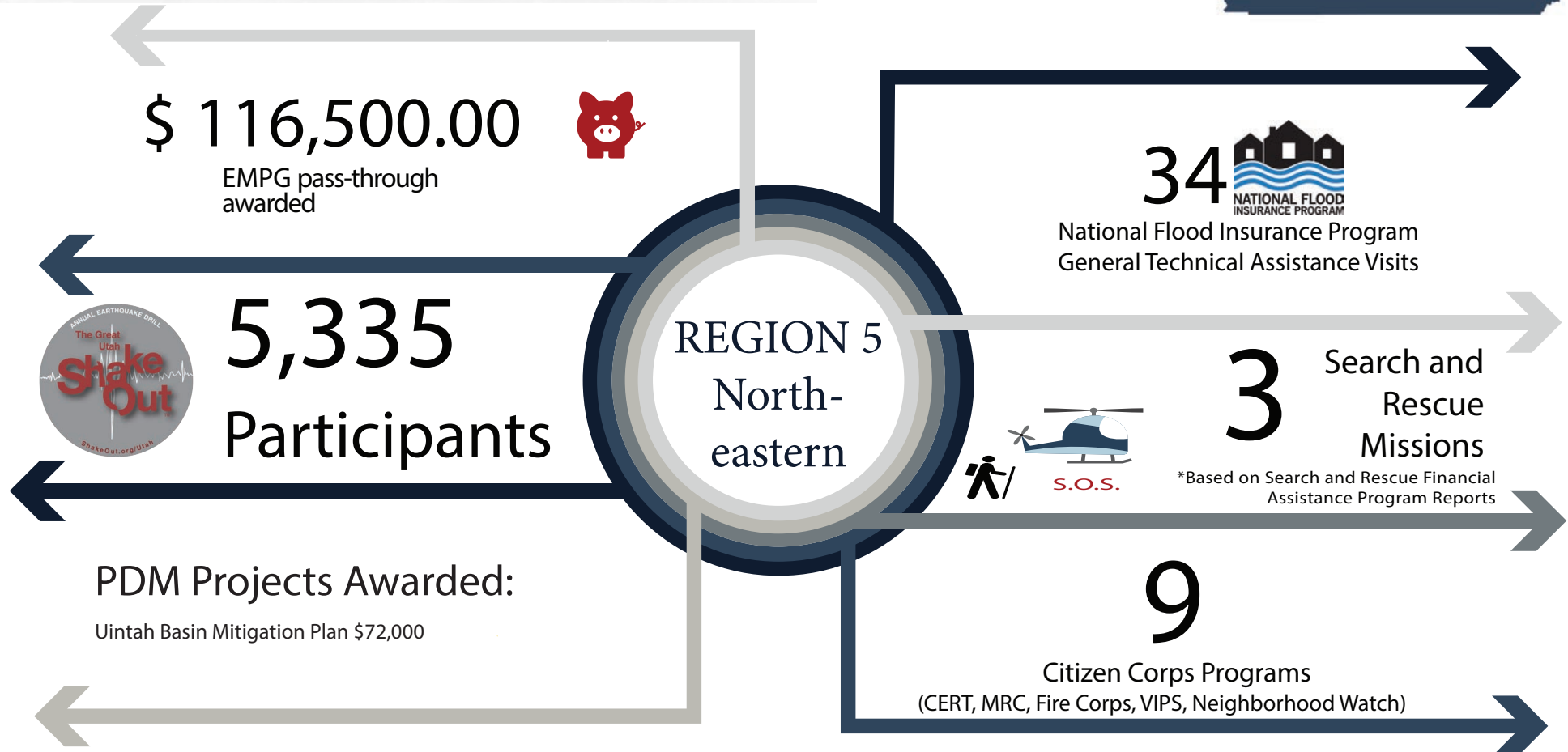
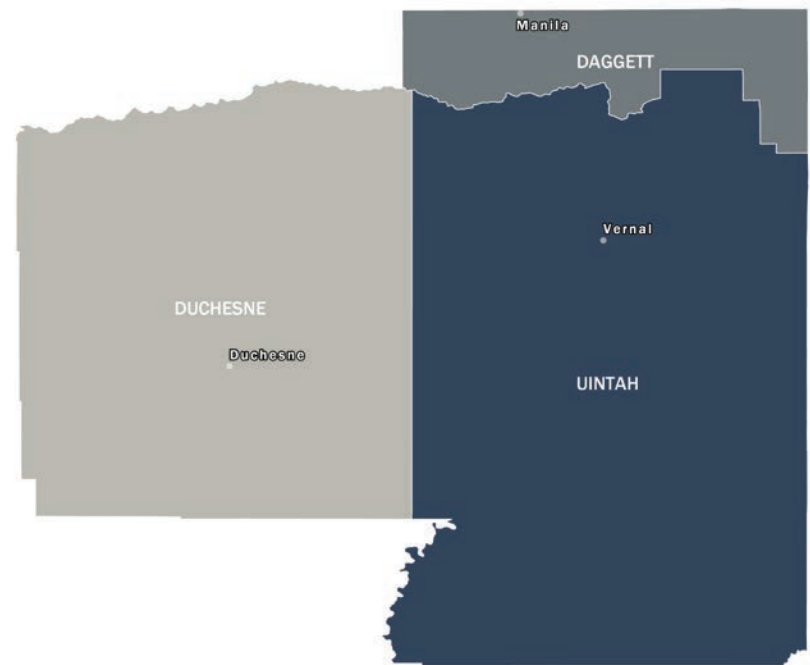
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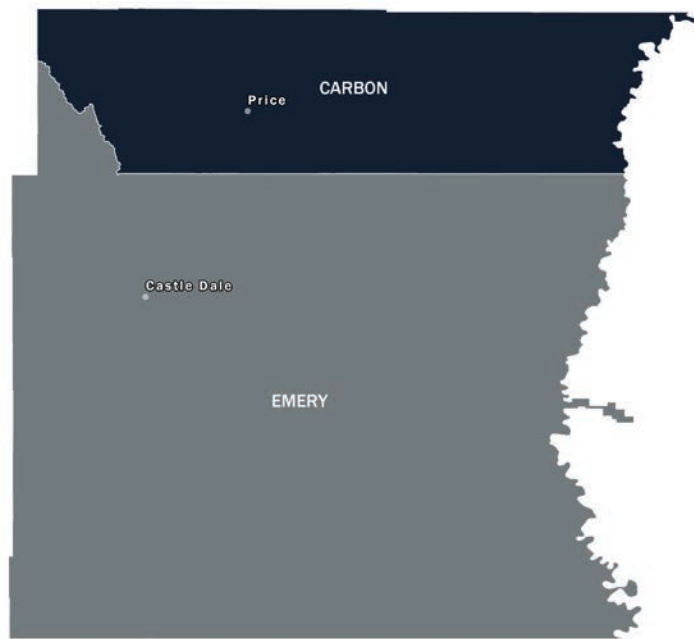












\$ 83,400.00

EMPG pass-through
awarded



44 

National Flood Insurance Program
General Technical Assistance Visits

 2,377
Participants

REGION 6
Castle
Country

143 Search and
Rescue
Missions



*Based on Search and Rescue Financial
Assistance Program Reports

9

Citizen Corps Programs
(CERT, MRC, Fire Corps, VIPs, Neighborhood Watch)



\$ 67,100.00

EMPG pass-through
awarded



REGION 7
Four
Corners

1,984
Participants



19

Search and
Rescue
Missions

*Based on Search and Rescue Financial
Assistance Program Reports

4

Citizen Corps Programs
(CERT, MRC, Fire Corps, VIPS, Neighborhood Watch)

PARTNERS



It takes the *whole* community to prepare for disaster.

Acronyms Legend:

ARES/RACES - Amateur Radio Emergency Service/Radio Amateur Civil Emergency Service
BRS - Be Ready Schools
BRU - Be Ready Utah
CAP - Community Awareness Program
C.E.R.T - Community Emergency Response Team
CC - Citizen Corps
COOP - Continuity of Operations Plan
CTP - Cooperating Technical Partners Program
DEM - Division of Emergency Management
DPS - Department of Public Safety
EMAC - Emergency Management Assistance Compact
EMAP - Emergency Management Accreditation Program
EMPG - Emergency Management Performance Grant
EOC - Emergency Operations Center
EOP - Emergency Operations Plan
FEMA - Federal Emergency Management Agency

FIRM - Flood Insurance Rate Map
GIS - Geographic Information Systems
HMGP - Hazard Mitigation Grant Program
LEPC - Local Emergency Planning Committee
LiDAR - Light Detection and Ranging (Examining the Earth's Surface)
NFIP - National Flood Insurance Program
PDM - Pre-Disaster Mitigation
PIO - Public Information Officer
PSPC - Private Sector Preparedness Council
Risk MAP - Risk Mapping, Assessment and Planning
SERT - State Emergency Response Team
SHSP - State Homeland Security Program
TEPW - Training and Exercise Workshop
UFSMA - Utah Floodplain and Stormwater Management Association
UP3 - Utah Public Private Partnerships
USEMC - Utah's State Emergency Management Conference



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